

Claims

[c1] What is claimed is:

1. A wireless pointing device ⁽¹⁾ for a computer, the wireless pointing device capable of being charged by an induction power device, the induction power device comprising: ⁽¹⁰⁾ ~~an induction power device~~ a base with a flat-plate; and ⁽¹¹⁾ a first induction coil installed corresponding to a position of the flat-plate for transforming an electrical power of a power source to an induction magnetic field; and the wireless pointing device comprising: a housing with a contact plane corresponding to the flat-plate; at least a control key ⁽³⁵⁾ installed on the housing for generating a control signal corresponding to a user's control; a signal module electrically connected to the control key for transmitting the control signal through radio waves; ⁽⁹⁾ a second induction coil installed inside the housing corresponding to a position of the contact plane for receiving the induction magnetic field through the contact plane in a magnetic induction manner; ⁽¹⁶⁾ a power module electrically connected to the second induction coil for transforming the induction magnetic field received by the second induction coil to a corresponding electrical power; and ^(9a) a storage module for storing the electrical power generated by the power module so that the storage module is capable of providing the electrical power to the wireless pointing device; wherein when the contact plane of the wireless pointing device is put on the flat-plate of the induction power device, the second induction coil of the wireless point device receives the induction magnetic field generated by the first induction coil so that the wireless pointing device is capable of being charged by the induction power device. ^(abstract)

[c2]

2. The wireless pointing device of claim 1 wherein at least a first fixer is installed in the induction power device corresponding to the position of the flat-plate, and at least a second fixer is installed on the contact plane corresponding to the

first fixer, and when the contact plane of the wireless pointing device is put on the flat-plate of the induction power device, the first fixer brakes the second fixer so as to fix the position of the wireless pointing device and make the position of the first induction coil align with the position of the second induction coil.

- [c3] 3.The wireless pointing device of claim 2 wherein the first fixer is a magnet.
- [c4] 4.The wireless pointing device of claim 2 wherein the second fixer is a magnet.
- [c5] 5.The wireless pointing device of claim 1 being a wireless mouse.
- [c6] 6.The wireless pointing device of claim 1 wherein the computer comprises a receiving module for receiving the radio control signal transmitted from the wireless pointing device.
- [c7] 7.A wireless earphone for a broadcast system, the broadcast system emitting a radio broadcast signal, the wireless earphone capable of being charged by an induction power device, the induction power device comprising:
 - a base with a flat-plate; and
 - a first induction coil installed corresponding to a position of the flat-plate for transforming an electrical power of a power source to an induction magnetic field;
 the wireless earphone comprising:
 - a housing with a contact plane corresponding to the flat-plate;
 - a signal module for receiving the radio broadcast signal of the broadcast system and generating corresponding music signal;
 - a loudspeaker electrically connected to the signal module for playing the music signal;
 - a second induction coil installed inside the housing corresponding to a position of the contact plane for receiving the induction magnetic field through the contact plane in a magnetic induction manner;
 - a power module electrically connected to the second induction coil for transforming the induction magnetic field received by the second induction coil to a corresponding electrical power; and

a storage module for storing the electrical power generated by the power module so that the storage module is capable of providing the electrical power to the wireless earphone;

wherein when the contact plane of the wireless earphone is put on the flat-plate of the induction power device, the second induction coil of the wireless earphone receives the induction magnetic field generated by the first induction coil so that the wireless earphone is capable of being charged by the induction power device.

[c8] 8.The wireless earphone of claim 7 wherein at least a first fixer is installed on the flat-plate, and at least a second fixer is installed on the contact plane corresponding to the first fixer, when the contact plane of the wireless is put on the flat-plate of the induction power device, the first fixer brakes the second fixer so as to fix the position of the wireless earphone and make the position of the first induction coil align with the position of the second induction coil.

[c9] 9.The wireless earphone of claim 7 wherein the first fixer is a magnet.

[c10] 10.The wireless earphone of claim 7 wherein the first fixer is a hook.

[c11] 11.The wireless earphone of claim 7 further comprising a microphone for receiving speech sound of users and generating a corresponding sound signal.

[c12] 12.The wireless earphone of claim 11 wherein the signal module is capable of transmitting the sound signal through radio waves, and the broadcast system is capable of receiving the radio sound signal.

[c13] 13.The wireless earphone of claim 7 being a bluetooth wireless earphone.